

**System and Method for On-Demand Computing for
Parallel SCSI**

ABSTRACT

A system and method for managing parallel SCSI device functionality is presented. A user sends a request to a vendor whereby the request corresponds to the user changing the functionality of one of the user's SCSI devices. The vendor generates and sends a key that includes a password and a functionality value to the user. The user extracts the password, extracts the functionality value, and includes them in a command descriptor block. The user includes the command descriptor block in a SCSI command, and sends the SCSI command to the user's SCSI device whereupon the SCSI device validates the password and reconfigures itself based upon the functionality value. The SCSI device returns a message to the user indicating whether the reconfiguring process was successful. In turn, the user forwards the message to the vendor so the vendor may bill the user accordingly.